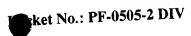
- An isolated polypeptide comprising an amino acid sequence selected from the 1. group consisting of:
 - an amino acid sequence of SEQ ID NO:1, a)
 - a naturally-occurring amino acid sequence having at least 90% sequence identity b) to the sequence of SEQ ID NO:1,
 - a biologically-active fragment of the amino acid sequence of SEQ ID NO:1, and c)
 - an immunogenic fragment of the amino acid sequence of SEQ ID NO:1. d)
 - An isolated polypeptide of claim 1, having a sequence of SEQ ID NO:1. 2.
 - An isolated antibody which specifically binds to a polypeptide of claim 1. 3.
 - A diagnostic test for a condition or disease associated with the expression of 4. GAPIP in a biological sample comprising the steps of:
 - combining the biological sample with an antibody of claim 3, under conditions a) suitable for the antibody to bind the polypeptide and form an antibody: polypeptide complex; and
 - detecting the complex, wherein the presence of the complex correlates with the b) presence of the polypeptide in the biological sample.
 - The antibody of claim 3, wherein the antibody is: 5.
 - (a) a chimeric antibody;
 - (b) a single chain antibody;
 - (c) a Fab fragment;
 - (d) a F(ab')₂ fragment; or
 - (e) a humanized antibody.
 - A composition comprising an antibody of claim 3 and an acceptable excipient. 6.
 - A method of diagnosing a condition or disease associated with the expression of 7. 09/828,423 2 92098



GAPIP in a subject, comprising administering to said subject an effective amount of the composition of claim 6.

- A composition of claim 6, wherein the antibody is labeled. 8.
- A method of diagnosing a condition or disease associated with the expression of 9. GAPIP in a subject, comprising administering to said subject an effective amount of the composition of claim 8.
- A method of preparing a polyclonal antibody with the specificity of the antibody 10. of claim 3 comprising:
 - immunizing an animal with a polypeptide of SEQ ID NO:1 or an immunogenic a) fragment thereof under conditions to elicit an antibody response;
 - isolating antibodies from said animal; and b)
 - screening the isolated antibodies with the polypeptide thereby identifying a c) polyclonal antibody which binds specifically to a polypeptide of SEQ ID NO:1.
 - An antibody produced by a method of claim 10. 11.
 - A composition comprising the antibody of claim 11 and a suitable carrier. 12.
 - A method of making a monoclonal antibody with the specificity of the antibody of 13. claim 3 comprising:
 - immunizing an animal with a polypeptide of SEQ ID NO:1 or an immunogenic a) fragment thereof under conditions to elicit an antibody response;
 - isolating antibody producing cells from the animal; b)
 - fusing the antibody producing cells with immortalized cells to form monoclonal c) antibody-producing hybridoma cells;
 - culturing the hybridoma cells; and d)
 - isolating from the culture monoclonal antibody which binds specifically to a e) polypeptide of SEQ ID NO:1.

- 14. A monoclonal antibody produced by a method of claim 13.
- 15. A composition comprising the antibody of claim 14 and a suitable carrier.
- 16. The antibody of claim 3, wherein the antibody is produced by screening a Fab expression library.
- 17. The antibody of claim 3, wherein the antibody is produced by screening a recombinant immunoglobulin library.
- 18. A method for detecting a polypeptide of SEQ ID NO:1 in a sample comprising the steps of:
 - a) incubating the antibody of claim 3 with a sample under conditions to allow specific binding of the antibody and the polypeptide; and
 - b) detecting specific binding, wherein specific binding indicates the presence of a polypeptide of SEQ ID NO:1 in the sample.
- 19. A method of purifying a polypeptide of SEQ ID NO:1 from a sample, the method comprising:
 - a) incubating the antibody of claim 3 with a sample under conditions to allow specific binding of the antibody and the polypeptide; and
 - b) separating the antibody from the sample and obtaining purified polypeptide of SEQ ID NO:1.